

Facile, noncovalent decoration of graphene oxide sheets

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Reduced graphene oxide for room-temperature gas sensors. <i>Nanotechnology</i> , 2009, 20, 445502.	1.3	652
2	Graphene-Based Nanoarchitectures. Anchoring Semiconductor and Metal Nanoparticles on a Two-Dimensional Carbon Support. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 520-527.	2.1	964
3	TiO ₂ nanocrystals grown on graphene as advanced photocatalytic hybrid materials. <i>Nano Research</i> , 2010, 3, 701-705.	5.8	693
4	Facile synthesis and application of Ag-chemically converted graphene nanocomposite. <i>Nano Research</i> , 2010, 3, 339-349.	5.8	408
5	Chemically Derived Graphene Oxide: Towards Large-Area Thin-Film Electronics and Optoelectronics. <i>Advanced Materials</i> , 2010, 22, 2392-2415.	11.1	2,018
6	Specific Protein Detection Using Thermally Reduced Graphene Oxide Sheet Decorated with Gold Nanoparticle-Antibody Conjugates. <i>Advanced Materials</i> , 2010, 22, 3521-3526.	11.1	444
7	A facile approach to the fabrication of graphene/polystyrene nanocomposite by in situ microemulsion polymerization. <i>Journal of Colloid and Interface Science</i> , 2010, 350, 530-537.	5.0	168
8	Graphene oxide sheet-prussian blue nanocomposites: Green synthesis and their extraordinary electrochemical properties. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 81, 508-512.	2.5	65
9	Stable Aqueous Dispersion of Graphene Nanosheets: Noncovalent Functionalization by a Polymeric Reducing Agent and Their Subsequent Decoration with Ag Nanoparticles for Enzymeless Hydrogen Peroxide Detection. <i>Macromolecules</i> , 2010, 43, 10078-10083.	2.2	370
10	Terahertz Spectroscopy of Nanocrystal-Carbon Nanotube and Graphene Oxide Hybrid Nanostructures. <i>Journal of Physical Chemistry C</i> , 2010, 114, 11258-11265.	1.5	41
11	Decoration, Migration, and Aggregation of Palladium Nanoparticles on Graphene Sheets. <i>Chemistry of Materials</i> , 2010, 22, 5695-5699.	3.2	186
12	Examining Co-Based Nanocrystals on Graphene Using Low-Voltage Aberration-Corrected Transmission Electron Microscopy. <i>ACS Nano</i> , 2010, 4, 470-476.	7.3	48
13	Facile synthesis of monodispersed silver nanoparticles on graphene oxide sheets with enhanced antibacterial activity. <i>New Journal of Chemistry</i> , 2011, 35, 1418.	1.4	193
14	Magnetite/graphene nanosheet composites: interfacial interaction and its impact on the durable high-rate performance in lithium-ion batteries. <i>RSC Advances</i> , 2011, 1, 782.	1.7	332
15	Transparent carbon nanotube patterns templated by inkjet-printed graphene oxide nanosheets. <i>RSC Advances</i> , 2011, 1, 44.	1.7	14
16	Selective Deposition of CdSe Nanoparticles on Reduced Graphene Oxide to Understand Photoinduced Charge Transfer in Hybrid Nanostructures. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 2703-2709.	4.0	25
17	One step hydrothermal synthesis of TiO ₂ -reduced graphene oxide sheets. <i>Journal of Materials Chemistry</i> , 2011, 21, 3415.	6.7	459
18	Carbon Nanotube with Chemically Bonded Graphene Leaves for Electronic and Optoelectronic Applications. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 1556-1562.	2.1	190

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19	Hydrothermal synthesis of magnetic reduced graphene oxide sheets. <i>Materials Research Bulletin</i> , 2011, 46, 2077-2083.	2.7	52
20	Aniline as a dispersing and stabilizing agent for reduced graphene oxide and its subsequent decoration with Ag nanoparticles for enzymeless hydrogen peroxide detection. <i>Journal of Colloid and Interface Science</i> , 2011, 363, 615-619.	5.0	108
21	Synthesis of functional SiO ₂ -coated graphene oxide nanosheets decorated with Ag nanoparticles for H ₂ O ₂ and glucose detection. <i>Biosensors and Bioelectronics</i> , 2011, 26, 4791-4797.	5.3	227
22	Method for effective immobilization of Ag nanoparticles/graphene oxide composites on single-stranded DNA modified gold electrode for enzymeless H ₂ O ₂ detection. <i>Journal of Materials Science</i> , 2011, 46, 5260-5266.	1.7	63
23	Microwave-assisted rapid synthesis of Ag nanoparticles/graphene nanosheet composites and their application for hydrogen peroxide detection. <i>Journal of Nanoparticle Research</i> , 2011, 13, 4539-4548.	0.8	100
24	Reduction of silver nanoparticles onto graphene oxide nanosheets with N,N-dimethylformamide and SERS activities of GO/Ag composites. <i>Journal of Nanoparticle Research</i> , 2011, 13, 5571-5581.	0.8	88
25	High temperature stability of platinum nanoparticles on few-layer graphene investigated by In Situ high resolution transmission electron microscopy. <i>Nano Research</i> , 2011, 4, 511-521.	5.8	33
26	Graphene nanosheets decorated with Pd, Pt, Au, and Ag nanoparticles: Synthesis, characterization, and catalysis applications. <i>Science China Chemistry</i> , 2011, 54, 397-404.	4.2	111
27	Growth of carbon nanowalls at atmospheric pressure for one-step gas sensor fabrication. <i>Nanoscale Research Letters</i> , 2011, 6, 202.	3.1	123
28	Graphene-Based Materials: Synthesis, Characterization, Properties, and Applications. <i>Small</i> , 2011, 7, 1876-1902.	5.2	2,239
29	Functional Composite Materials Based on Chemically Converted Graphene. <i>Advanced Materials</i> , 2011, 23, 1089-1115.	11.1	973
30	Metal Nitride/Graphene Nanohybrids: General Synthesis and Multifunctional Titanium Nitride/Graphene Electrocatalyst. <i>Advanced Materials</i> , 2011, 23, 5445-5450.	11.1	171
31	A simple one-pot strategy for the synthesis of ternary reduced graphite oxide/SnO ₂ /Au hybrid nanomaterials. <i>Carbon</i> , 2011, 49, 3538-3543.	5.4	36
32	Synthesis of silver nanoparticles in an aqueous suspension of graphene oxide sheets and its antimicrobial activity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 83, 16-22.	2.5	402
33	Sonoelectrochemical fabrication of Pd-graphene nanocomposite and its application in the determination of chlorophenols. <i>Electrochimica Acta</i> , 2011, 56, 6008-6013.	2.6	58
34	Facile, hetero-sized nanocluster array fabrication for investigating the nanostructure-dependence of nonvolatile memory characteristics. <i>Nanotechnology</i> , 2011, 22, 254018.	1.3	5
35	In situ observation of Pt nanoparticles on graphene layers under high temperature using aberration-corrected transmission electron microscopy. <i>Microscopy (Oxford, England)</i> , 2012, 61, 409-413.	0.7	5
36	Sandwich-like graphene nanocomposites armed with nanoneedles. <i>Journal of Materials Chemistry</i> , 2012, 22, 3148.	6.7	24

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37	Graphene-carbon paste electrode for cadmium and lead ion monitoring in a flow-based system. <i>Talanta</i> , 2012, 100, 282-289.	2.9	53
38	Gold nanoparticle-doped graphene nanosheets: sub-nanosized gold clusters nucleate and grow at the nitrogen-induced defects on graphene surfaces. <i>Journal of Materials Chemistry</i> , 2012, 22, 7130.	6.7	26
39	Graphene-based materials for catalysis. <i>Catalysis Science and Technology</i> , 2012, 2, 54-75.	2.1	882
40	Hydrolytic dehydrogenation of ammonia borane catalyzed by reduced graphene oxide supported monodisperse palladium nanoparticles: High activity and detailed reaction kinetics. <i>Journal of Molecular Catalysis A</i> , 2012, 361-362, 104-110.	4.8	88
41	Green controllable synthesis of silver nanomaterials on graphene oxide sheets via spontaneous reduction. <i>RSC Advances</i> , 2012, 2, 3816.	1.7	78
42	Review on the latest design of graphene-based inorganic materials. <i>Nanoscale</i> , 2012, 4, 6205.	2.8	90
43	Graphene Oxide-Based Supramolecular Hydrogels for Making Nanohybrid Systems with Au Nanoparticles. <i>Langmuir</i> , 2012, 28, 1460-1469.	1.6	80
44	Graphene supported platinum nanoparticles as anode electrocatalyst for direct borohydride fuel cell. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 17984-17991.	3.8	51
45	Biosensor based on Prussian blue nanocubes/reduced graphene oxide nanocomposite for detection of organophosphorus pesticides. <i>Nanoscale</i> , 2012, 4, 4674.	2.8	118
46	Modulating Gas Sensing Properties of CuO Nanowires through Creation of Discrete Nanosized p-n Junctions on Their Surfaces. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 4192-4199.	4.0	125
47	High-conductivity graphene nanocomposite via facile, covalent linkage of gold nanoparticles to graphene oxide. <i>Science Bulletin</i> , 2012, 57, 3086-3092.	1.7	9
48	Crystalline Transformation of Colloidal Nanoparticles on Graphene Oxide. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 1021-1029.	4.0	12
49	Electromagnetic properties of Fe ₃ O ₄ -functionalized graphene and its composites with a conducting polymer. <i>Journal of Polymer Science Part A</i> , 2012, 50, 927-935.	2.5	70
50	Graphene-based composites. <i>Chemical Society Reviews</i> , 2012, 41, 666-686.	18.7	3,513
51	Graphene-inorganic nanocomposites. <i>RSC Advances</i> , 2012, 2, 64-98.	1.7	547
52	Crafting Semiconductor Organic-Inorganic Nanocomposites via Placing Conjugated Polymers in Intimate Contact with Nanocrystals for Hybrid Solar Cells. <i>Advanced Materials</i> , 2012, 24, 4353-4368.	11.1	127
53	Chemistry, physics and biology of graphene-based nanomaterials: new horizons for sensing, imaging and medicine. <i>Journal of Materials Chemistry</i> , 2012, 22, 14313.	6.7	116
54	Preparation and characterization of tin oxide, SnO ₂ nanoparticles decorated graphene. <i>Ceramics International</i> , 2012, 38, 4209-4216.	2.3	44

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55	Palladium nanoparticles supported on chemically derived graphene: An efficient and reusable catalyst for the dehydrogenation of ammonia borane. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 8161-8169.	3.8	132
56	Graphene Coupled with Nanocrystals: Opportunities and Challenges for Energy and Sensing Applications. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 2441-2454.	2.1	80
57	Controlling the luminescence emission from palladium grafted graphene oxide thin films via reduction. <i>Nanoscale</i> , 2013, 5, 5620.	2.8	30
58	Synthesis of Sn nanoparticle decorated graphene sheets for enhanced field emission properties. <i>Journal of Alloys and Compounds</i> , 2013, 550, 353-357.	2.8	26
59	Surface plasmon resonance induced reduction of high quality Ag/graphene composite at water/toluene phase for reduction of H ₂ O ₂ . <i>Applied Surface Science</i> , 2013, 265, 578-584.	3.1	18
60	Effect of annealing temperature on the copper nanoparticles deposited on the silicon nanoporous pillar array. <i>Materials Science in Semiconductor Processing</i> , 2013, 16, 10-14.	1.9	7
61	Systematic analysis of palladium-graphene nanocomposites and their catalytic applications in Sonogashira reaction. <i>Journal of Colloid and Interface Science</i> , 2013, 403, 127-133.	5.0	50
62	Heating induced microstructural changes in graphene/Cu nanocomposites. <i>Journal Physics D: Applied Physics</i> , 2013, 46, 065309.	1.3	11
63	The synthesis of citrate-modified silver nanoparticles in an aqueous suspension of graphene oxide nanosheets and their antibacterial activity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 105, 128-136.	2.5	137
64	Synthesis of hydroxyapatite-reduced graphene oxide nanocomposites for biomedical applications: oriented nucleation and epitaxial growth of hydroxyapatite. <i>Journal of Materials Chemistry B</i> , 2013, 1, 1826.	2.9	164
65	Synthesis and applications of graphene-based noble metal nanostructures. <i>Materials Today</i> , 2013, 16, 29-36.	8.3	257
66	Sorption preconcentration and separation of Palladium(II) and Platinum(IV) for visual test and densitometric determination. <i>Journal of Analytical Chemistry</i> , 2013, 68, 409-416.	0.4	4
67	Crumpled reduced graphene oxide-polyamidoamine dendrimer hybrid nanoparticles for the preparation of an electrochemical biosensor. <i>Journal of Materials Chemistry B</i> , 2013, 1, 2289.	2.9	37
68	A versatile approach for decorating 2D nanomaterials with Pd or Pt nanoparticles. <i>Chemical Communications</i> , 2013, 49, 1160-1162.	2.2	43
69	A new route for the synthesis of graphene oxide-Fe ₃ O ₄ (GO-Fe ₃ O ₄) nanocomposites and their Schottky diode applications. <i>Journal of Alloys and Compounds</i> , 2014, 585, 681-688.	2.8	94
70	Hydrothermal preparation of Fe ₂ O ₃ /graphene nanocomposite and its enhanced catalytic activity on the thermal decomposition of ammonium perchlorate. <i>Applied Surface Science</i> , 2014, 303, 354-359.	3.1	125
71	Ag@graphene oxide nanocomposite as an efficient visible-light plasmonic photocatalyst for the degradation of organic pollutants: A facile green synthetic approach. <i>Materials Chemistry and Physics</i> , 2014, 143, 1452-1461.	2.0	54
72	Carbon as catalyst and support for electrochemical energy conversion. <i>Carbon</i> , 2014, 75, 5-42.	5.4	443

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73	Vibrational Excitations and Low-Energy Electronic Structure of Epoxide-Decorated Graphene. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 212-219.	2.1	37
74	Nanostructured palladium-reduced graphene oxide platform for high sensitive, label free detection of a cancer biomarker. <i>RSC Advances</i> , 2013, 4, 2267-2273.	1.7	38
75	Shape dependent catalytic activity of nanoflowers and nanospheres of Pd ₄ S generated via one pot synthesis and grafted on graphene oxide for Suzuki coupling. <i>Dalton Transactions</i> , 2014, 43, 12555.	1.6	42
76	Migration of Silver Nanoparticles from Silver Decorated Graphene Oxide to Other Carbon Nanostructures. <i>Langmuir</i> , 2014, 30, 11776-11784.	1.6	16
77	Aqueous self-assembly and surface-functionalized nanodots for live cell imaging and labeling. <i>Nano Research</i> , 2014, 7, 1164-1176.	5.8	14
78	Iron-Oxide-Supported Nanocarbon in Lithium-Ion Batteries, Medical, Catalytic, and Environmental Applications. <i>ACS Nano</i> , 2014, 8, 7571-7612.	7.3	157
79	Introduction of benzoxazine onto the graphene oxide surface by click chemistry and the properties of graphene oxide reinforced polybenzoxazine nanohybrids. <i>RSC Advances</i> , 2014, 4, 9471.	1.7	52
80	Water-Soluble Reduced Graphene Oxide-Carboxymethylcellulose Hybrid Nanomaterial for Electrochemical Biosensor Design. <i>ChemPlusChem</i> , 2014, 79, 1334-1341.	1.3	23
81	Graphene-Supported Nanoelectrocatalysts for Fuel Cells: Synthesis, Properties, and Applications. <i>Chemical Reviews</i> , 2014, 114, 5117-5160.	23.0	899
82	Strategic synthesis of graphene supported trimetallic Ag-based core-shell nanoparticles toward hydrolytic dehydrogenation of amine boranes. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 3360-3370.	3.8	50
83	- Different Functionalization Methods of Carbon-Based Nanomaterials. , 2015, , 54-83.		0
84	Design of TiO ₂ @graphene nanosheets with rough surface and its reinforcement to polyarylene ether nitriles. <i>Polymers for Advanced Technologies</i> , 2015, 26, 1267-1274.	1.6	1
85	Decorating graphene oxide/nanogold with dextran-based polymer brushes for the construction of ultrasensitive electrochemical enzyme biosensors. <i>Journal of Materials Chemistry B</i> , 2015, 3, 3518-3524.	2.9	37
86	Novel synthesis of Ag@Co/RGO nanocomposite and its high catalytic activity towards hydrogenation of 4-nitrophenol to 4-aminophenol. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 4996-5005.	3.8	57
87	Design, Synthesis, and Characterization of Graphene-Nanoparticle Hybrid Materials for Bioapplications. <i>Chemical Reviews</i> , 2015, 115, 2483-2531.	23.0	603
88	Organo functionalized graphene with Pd nanoparticles and its excellent catalytic activity for Suzuki coupling reaction. <i>Applied Catalysis A: General</i> , 2015, 505, 539-547.	2.2	66
89	Nanoisland formation of small Ag -clusters on HOPG as determined by inner-shell photoionisation spectroscopy. <i>Surface Science</i> , 2015, 639, 43-47.	0.8	7
90	Sequential repetitive chemical reduction technique to study size-property relationships of graphene attached Ag nanoparticle. <i>Solid State Sciences</i> , 2015, 44, 1-9.	1.5	20

#	ARTICLE	IF	CITATIONS
91	Metal-free graphene-based catalysts—Insight into the catalytic activity: A short review. <i>Applied Catalysis A: General</i> , 2015, 492, 1-9.	2.2	123
92	Recent advances in chemical modifications of graphene. <i>Nano Research</i> , 2015, 8, 1039-1074.	5.8	215
93	Facile solid-state synthesis of Ag/graphene oxide nanocomposites as highly active and stable catalyst for the reduction of 4-nitrophenol. <i>Catalysis Communications</i> , 2015, 58, 21-25.	1.6	130
94	Ag and Cu Monometallic and Ag/Cu Bimetallic Nanoparticle—Graphene Composites with Enhanced Antibacterial Performance. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 27498-27510.	4.0	102
95	Enhancing the sensitivity of graphene/polyurethane nanocomposite flexible piezo-resistive pressure sensors with magnetite nano-spacers. <i>Carbon</i> , 2016, 108, 450-460.	5.4	87
96	Synthesis of graphene supported bis (diphenylphosphinomethyl)amino ligands and their Pd(II) and Pt(II) complexes: Highly efficient and recoverable nano-catalysts on vitamin K 3 production. <i>Chemical Engineering Journal</i> , 2016, 306, 961-972.	6.6	30
97	Green Synthesis of Graphene Based Biomaterial Using Fenugreek Seeds for Lipid Detection. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 871-880.	3.2	40
98	Controlled Veiling of Silver Nanocubes with Graphene Oxide for Improved Surface-Enhanced Raman Scattering Detection. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 2628-2634.	4.0	32
99	Investigation on the reduction of the oxides of Pd and graphite in alkaline medium and the simultaneous evolution of oxygen reduction reaction and peroxide generation features. <i>Electrochimica Acta</i> , 2016, 191, 81-89.	2.6	25
100	Preparation and dielectric properties of copper phthalocyanine/graphene oxide nanohybrids via in situ polymerization. <i>Journal of Materials Science</i> , 2016, 51, 4682-4690.	1.7	24
101	Biofunctionalized carbon nanocomposites: New-generation diagnostic tools. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 82, 12-21.	5.8	13
102	Green synthesis of silver nanoparticles, decorated on graphene oxide nanosheets and their catalytic activity. <i>Applied Surface Science</i> , 2016, 361, 102-106.	3.1	74
103	Noble Metal Decorated Graphene-Based Gas Sensors and Their Fabrication: A Review. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2017, 42, 499-526.	6.8	86
104	Synthesis and characterization of nanocomposites films with graphene oxide and reduced graphene oxide nanosheets. <i>Chinese Journal of Physics</i> , 2017, 55, 412-422.	2.0	27
105	Biomolecule-assisted synthesis of Ag/reduced graphene oxide nanocomposite with excellent electrocatalytic and antibacterial performance. <i>Materials Science and Engineering C</i> , 2017, 75, 742-751.	3.8	31
106	State of the art and recent advances in the ultrasound-assisted synthesis, exfoliation and functionalization of graphene derivatives. <i>Ultrasonics Sonochemistry</i> , 2017, 39, 478-493.	3.8	146
107	Electrochemical capacitor performance of 2-(trimethylsilyloxy)ethyl methacrylate-derived highly mesoporous carbon nanofiber composite containing MnO ₂ . <i>Journal of Electroanalytical Chemistry</i> , 2017, 801, 403-409.	1.9	5
108	Oxidation of Sulfides with H ₂ O ₂ Catalyzed by Impregnated Graphene Oxide with Co—Cu—Zn Doped Fe ₃ O ₄ /Co ₃ O ₄ —MoO ₃ Nanocomposite in Acetonitrile. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2017, 27, 165-175.	1.9	7

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109	Preparation of graphene-nickel nanoparticles hybrid by spray pyrolysis using nickel oleate precursor and its application as a ferrofluid. <i>Inorganic and Nano-Metal Chemistry</i> , 2017, 47, 558-564.	0.9	1
110	Electrochemical immunosensor for highly sensitive and quantitative detection of tumor necrosis factor- α in human serum. <i>Bioelectrochemistry</i> , 2018, 122, 93-102.	2.4	32
111	Mechanistic insight into the <i>in vitro</i> toxicity of graphene oxide against biofilm forming bacteria using laser-induced breakdown spectroscopy. <i>Nanoscale</i> , 2018, 10, 4475-4487.	2.8	58
112	Graphene-based nanocomposites: synthesis and their theranostic applications. <i>Journal of Drug Targeting</i> , 2018, 26, 858-883.	2.1	51
113	Theoretical investigations of transport properties of organic solvents in cation-functionalized graphene oxide membranes: Implications for drug delivery. <i>Nano Research</i> , 2018, 11, 254-263.	5.8	7
114	Oxidative desulfurization using graphene and its composites for fuel containing thiophene and its derivatives: An update review. <i>Egyptian Journal of Petroleum</i> , 2018, 27, 715-730.	1.2	80
115	Novel electrospun polyvinylidene fluoride-graphene oxide-silver nanocomposite membranes with protein and bacterial antifouling characteristics. <i>EXPRESS Polymer Letters</i> , 2018, 12, 365-382.	1.1	42
116	6.10 Electrically Conductive Nanocomposites. , 2018, , 248-314.		3
117	Natural saponin stabilized nano-catalyst as efficient dye-degradation catalyst. <i>Nano Structures Nano Objects</i> , 2018, 16, 86-95.	1.9	64
118	The Effect of the Original Thickness of Ag in the Graphene-Ag Nanodots Transparent Conductive Layer on the Electrical and Optical Properties of GaN-Based UV-LEDs. <i>IEEE Transactions on Electron Devices</i> , 2018, 65, 3803-3808.	1.6	5
119	Ag and Au nanoparticles/reduced graphene oxide composite materials: Synthesis and application in diagnostics and therapeutics. <i>Advances in Colloid and Interface Science</i> , 2019, 271, 101991.	7.0	102
120	Two-Dimensional Graphene Family Material: Assembly, Biocompatibility and Sensors Applications. <i>Sensors</i> , 2019, 19, 2966.	2.1	33
121	Graphene oxide/nanometal composite membranes for nanofiltration: synthesis, mass transport mechanism, and applications. <i>New Journal of Chemistry</i> , 2019, 43, 2846-2860.	1.4	17
122	Nanosurfer flash-mobs: electric-field-choreographed silver migration on graphene oxide. <i>Nanoscale Advances</i> , 2019, 1, 2180-2187.	2.2	3
123	Effect of graphene oxide aerogel on dehydration temperature of graphene oxide aerogel stabilized MgCl $_2$ ·6H $_2$ O composites. <i>Solar Energy</i> , 2019, 184, 202-208.	2.9	27
124	Photodecomposition and adsorption of hazardous organic pollutants by Ce-doped ZnO@Ce-doped TiO $_2$ -N/S-dual doped RGO ternary nano-composites photocatalyst for water remediation. <i>Journal of Molecular Structure</i> , 2019, 1185, 191-199.	1.8	55
125	Recent advances in carbon-based polymer nanocomposites for electromagnetic interference shielding. <i>Progress in Materials Science</i> , 2019, 103, 319-373.	16.0	490
126	Silver Nanoparticles Decorated Polyethylmethacrylate/Graphene Oxide Composite: As Packaging Material. <i>Polymer Composites</i> , 2019, 40, E1199.	2.3	12

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127	Fruit extract capped colloidal silver nanoparticles and their application in reduction of methylene blue dye. <i>Biocatalysis and Biotransformation</i> , 2019, 37, 183-189.	1.1	18
128	Revealing high temperature stability of platinum nanocatalysts deposited on graphene oxide by in-situ TEM. <i>Materials Characterization</i> , 2020, 170, 110706.	1.9	5
129	Recent advances in chemical functionalisation of graphene and sensing applications. <i>International Journal of Biomedical Nanoscience and Nanotechnology</i> , 2020, 4, 1.	0.1	2
130	Multifunctional transition metal doped titanium dioxide reduced graphene oxide composites as highly efficient adsorbents and photocatalysts. <i>Microporous and Mesoporous Materials</i> , 2020, 307, 110521.	2.2	16
131	Enhanced performance of In ₂ O ₃ nanowire field effect transistors with controllable surface functionalization of Ag nanoparticles. <i>Nanotechnology</i> , 2020, 31, 355703.	1.3	6
132	Emerging investigator series: synthesis of magnesium oxide nanoparticles fabricated on a graphene oxide nanocomposite for CO ₂ sequestration at elevated temperatures. <i>Environmental Science: Nano</i> , 2020, 7, 1225-1239.	2.2	21
133	Antimicrobial and barrier properties of polyacrylic acid/GO hybrid nanocomposites for packaging application. <i>Nano Structures Nano Objects</i> , 2021, 26, 100747.	1.9	19
134	Progress in modifications of 3D graphene-based adsorbents for environmental applications. <i>Chemosphere</i> , 2021, 270, 129420.	4.2	34
135	Preparation and application of OD-2D nanomaterial hybrid heterostructures for energy applications. <i>Materials Today Advances</i> , 2021, 12, 100169.	2.5	20
136	Hybrid Nanostructures. <i>Advances in Environmental Engineering and Green Technologies Book Series</i> , 0, , 231-275.	0.3	1
137	Thermal behavior and kinetics of double base propellant catalyzed with green graphene iron oxide nanocomposite. <i>Propellants, Explosives, Pyrotechnics</i> , 0, , .	1.0	3
138	A new approach to simultaneously reducing, nitrogen doping and noble metal coating of graphene oxide via active-screen plasma. <i>Nanotechnology</i> , 0, , .	1.3	0
139	One-step method to prepare coccinellaseptempunctate-like silver nanoparticles for high sensitivity SERS detection. <i>Surfaces and Interfaces</i> , 2022, 35, 102440.	1.5	5
140	Graphene-based Composite Materials as Catalyst for Organic Transformations. <i>ChemistrySelect</i> , 2023, 8, .	0.7	3